

Dynamic Engineers Inc.

2550 Gray Falls Dr., Suite#128, Houston, TX, 77077 USA TEL: 1-281-870-8822 EMAIL: Sales@DynamicEng.com

Features and Benefits

Frequency range: 10MHz Supply voltage: 3.3V Steady current: 50mA Max Output waveform: CMOS Frequency tolerance: ±25ppm Pulling range: ±50ppm Operating temperature: -40°C to +85°C Size: 3.2x2.5x0.95mm

Typical Applications

High-speed ethernet Fiber channel HDTV ATM Set-top box WiMAX Server SAS SATA

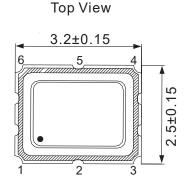
Description

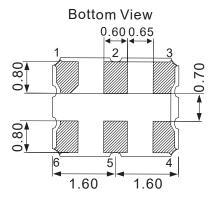
The VCXO3225AL-CMOS-10MHz-211 is designed for applications where exceptional frequency stability and timing is required.

It has both excellent temperature performance and frequency stability.

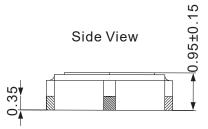
These characteristics make it an excellent choice for timing applications.

Mechanical Drawing & Pin Connections





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PIN	Function					
#1	Control Voltage					
#2	OE/Tri-State					
#3	GND					
#4	Output					
#5	N.C.					
#6	Supply Voltage					

Unit in mm 1mm = 0.0394 inches

Drawing No: MD240045-1

Dynamic Engineers reserves the right to make changes to the company datasheet(s) along with other information contained inside; such as data tables and araphs without notification to potential customers who may have earlier revisions in their possession.



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2550 Gray Falls Dr., Suite#128, Houston, TX, 77077 USA TEL: 1-281-870-8822 EMAIL: Sales@DynamicEng.com Low Phase Jitter Small Size 10MHz VCXO

Specifications

Oscillator	Sym	Condition	Value			Unit	Nete	
Specification			Min.	Тур.	Max.	Unit	Note	
Frequency Range	Fnom			10		MHz		
RF Output								
Signal Waveform			CMOS					
Load	RL		15		pF			
H-Level Voltage	V _H		90% V _{cc}			V		
L- Level Voltage	VL				10% V _{cc}	V		
Duty Cycle			45		55	%		
Rise/Fall time					5	nS		
Power Supply								
Supply Voltage	V _{cc}			3.3		V		
Start up Time	T _{up}				2	mS		
Current					50	mA		
Frequency Adjustment Range								
EFC voltage			0.3		3.0	V		
Electronic Frequency Control (EFC)			±50			ppm		
Input Impedance			1			MΩ		
Frequency Stability								
Frequency Tolerance				±25		ppm		
Environmental, Mechanical Conditions								
Operating temperature range	-40°C to +8	85°C						